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Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 7 March 2000 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit (a) information complementing the registration data for the space launches by the United States during July 1999 contained in document ST/SG/SER.E/366 and (b) the registration data for the space launches by the United States during the period August-December 1999 (see annex).

V.00-52637 (E)

Annex*

Registration data for space launches by the United States of America

1. The following report supplements the registration data for the United States launches as at 31 July 1999 and complements the data contained in document ST/SG/SER.E/366. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit.						
1999-040B	23 July 1999	1 537.5	28.4	72 064	3 434	Spacecraft engaged in investigation of spacecraft techniques and technology
1999-040C	23 July 1999	258.2	28.5	13 836	268	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-040D	23 July 1999	1 981.9	28.6	72 946	411	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report.						
None.						

* The registration data are reproduced in the form in which they were received.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 July 1999						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 July 1999						
1999-040A	23 July 1999	89.9	28.5	280	260	Reusable space transportation systems
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 July 1999						
1982-065C; 1989-089J; 1989-089M; 1989-089R; 1989-089Y; 1989-089AA; 1989-089AB; 1989-089AC; 1989-089AH; 1989-089AT; 1989-089AU; 1989-089BA; 1989-089BB; 1989-089BD; 1989-089BE; 1989-089BG; 1989-089BH; 1989-089BK; 1989-089BV; 1989-089BX; 1989-089CC						
The following objects were launched since the last report but did not achieve orbit						
None.						
Revisions that should be made to previously reported data						
None.						

2. The following report supplements the registration data for the United States launches as at 31 August 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1999-043A	17 August 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-043B	17 August 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-043C	17 August 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-043D	17 August 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-043E	17 August 1999	101.7	52.3	1 359	319	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1965-108A, 1967-026C, 1968-116B						
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 August 1999:						
None.						

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space object*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 August 1999						
None.						
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 August 1999						
1964-054A; 1966-049A; 1969-053B; 1970-025PP; 1974-077B; 1976-053F; 1990-103D; 1994-029ER; 1994-029GU; 1994-029QA; 1994-029QB; 1994-029RT; 1994-029SW; 1994-029UU; 1999-035B						
The following objects were launched since the last report but did not achieve orbit						
None.						
Revisions that should be made to previously reported data						
None.						

3. The following report supplements the registration data for the United States launches as at 30 September 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
1999-050A	23 September 1999	1 436.1	0.0	35 801	35 772	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-050B	23 September 1999	657.9	26.3	37 266	94	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-051A	24 September 1999	98.3	98.2	682	680	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-051B	24 September 1999	87.8	97.6892	237	96	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-051C	24 September 1999	89.9	98.1936	346	194	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-052A	25 September 1999	1 436.1	0.0	35 797	35 777	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects not previously reported have been identified since the last report						
1974-094E	23 November 1974	108.2	24.3	2 050	237	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-016D	10 March 1994	266.4	34.7	14 486	193	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 September 1999						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 September 1999						
1999-051B (OAM)						
The following objects identified in a previous report are no longer in orbit as at 2400Z 30 September 1999						
1972-058AS; 1975-052EN; 1975-052JC; 1976-017C; 1977-048F; 1977-065BA; 1977-065DN; 1978-044C; 1991-054E; 1993-068B; 1994-029FU; 1994-029GL; 1994-029KH; 1994-029UQ; 1994-029ACR; 1994-029AEB; 1994-029AEC; 1994-029JJ						
The following objects were launched since the last report but did not achieve orbit						
None.						
Revisions that should be made to previously reported data						
None.						

4. The following report supplements the registration data for the United States launches as at 31 October 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1999-055A	7 October 1999	718.0	53.0	20 269	20 098	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-055B	7 October 1999	91.7	33.3	544	175	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-055C	7 October 1999	349.6	38.9	19 927	203	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-056A	10 October 1999	1 442.2	0.02	35 916	35 894	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-056B	9 October 1999	2 677	0.540	35 737	407	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-059A	19 October 1999	1 436.1	0.05	35 793	35 780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects not previously reported have been identified since the last report:						
1966-077X	19 August 1966	165.6	88.8	5 707	1 529	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-077Y	19 August 1966	164.9	88.2	6 028	1 146	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 October 1999:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 October 1999:						
None.						
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 October 1999:						
1999-051C; 1998-060C; 1994-029GB; 1994-029HT; 1994-029LJ; 1994-029MK; 1994-029PA; 1994-029PG; 1994-029TB; 1994-029YN; 1994-029YS; 1994-029AAL; 1982-118C; 1975-052CZ						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

5. The following report supplements the registration data for the United States launches as at 30 November 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1999-060A	14 November 1999	1 444.97	0.09	35 964	35 957	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-063A	23 November 1999	1 435.8	6.04	36 638	34 924	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-063B	23 November 1999	454.1	26.9	26 110	273	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
None.						
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 November 1999:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 November 1999:						
None.						

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects identified in a previous report are no longer in orbit as at 2400Z 30 November 1999:						
1999-050B; 1999-055B; 1998-069C; 1997-063B; 1994-029X; 1994-029AQ; 1994-029DM; 1994-029HB; 1994-029JX; 1994-029MR; 1994-029MS; 1994-029WF; 1994-029WJ; 1994-029ADA; 1992-038C; 1992-039C; 1991-047E; 1987-053C; 1983-113E; 1972-058CK; 1972-058Z; 1969-097B						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

6. The following report supplements the registration data for the United States launches as at 31 December 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1999-065A	4 December 1999	101.4	45.04	840	833	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065B	4 December 1999	101.4	45.03	837	830	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065C	4 December 1999	101.4	45.04	837	829	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065D	4 December 1999	101.4	45.04	840	833	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065E	4 December 1999	101.4	45.04	840	833	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065F	4 December 1999	101.4	45.03	837	830	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1999-065G	4 December 1999	101.4	45.04	837	829	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-065H	4 December 1999	96.0	45.0	723	409	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-065J	4 December 1999	96.6	41.0	825	384	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-067A	12 December 1999	101.7	98.9	863	849	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-067B	12 December 1999	101.7	98.9	865	854	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-067C	12 December 1999	101.8	98.9	866	859	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-068A	18 December 1999	98.1	98.2	704	674	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-068B	18 December 1999	94.5	98.3	634	356	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1999-070B	21 December 1999	98.8	98.3	733	689	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-070C	21 December 1999	98.8	98.3	731	690	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-070D	21 December 1999	98.8	98.3	730	689	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-071A	22 December 1999	1 435.7	0.2	38 262	33 295	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:						
1975-052BA	12 June 1975	103.4	100.0	1 079	756	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052KA	12 June 1975	102.8	100.0	1 027	757	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 December 1999:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 December 1999:						
1999-069A	20 December 1999	96.4	28.5	609	563	Reusable space transportation systems

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 December 1999:						
1965-082DX; 1970-025EZ; 1970-025HB; 1972-058Z; 1972-058CQ; 1978-096F; 1979-017BX; 1993-074C; 1994-029CF; 1994-029EF; 1994-029FG; 1994-029FH; 1994-029KY; 1994-029PZ; 1994-029VW; 1994-029ACU; 1999-034B						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						